

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-032142

(43)Date of publication of application : 09.02.1993

(51)Int.Cl.

B60R 16/02

G06F 1/32

G06F 1/26

G06F 13/00

(21)Application number : 03-230756

(71)Applicant : HITACHI LTD

HITACHI AUTOMOT ENG CO LTD

(22)Date of filing : 19.08.1991

(72)Inventor : TAZAWA YOSHITOSHI

SUGIURA NOBORU

KOBAYASHI RYOICHI

(30)Priority

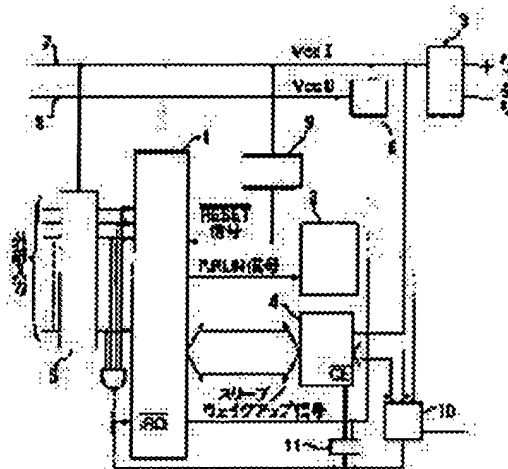
Priority number : 03 47854 Priority date : 13.03.1991 Priority country : JP

(54) WATCH DOG TIMER DEVICE OF MICROCOMPUTER SYSTEM SUPPLY

(57)Abstract:

PURPOSE: To provide a watch dog timer device for a LAN microcomputer system, etc., for car free from risk of the battery being exhausting, by lessening the current consumption in the system during the sleep.

CONSTITUTION: The power supplied from a power supply circuit 3 of a microcomputer system is divided into a VccI power line 7, which is held turned on even during the sleep, and a VccII power line 8 to be turned off during the sleep by a VccII on/off circuit 6, and also a watch dog timer 2 is furnished independent from the microcomputer 1, and the power supply of this watch dog timer 2 is connected with the VccII power line 8. When the microcomputer system is put in sleep state, the power supply of the watch dog timer 2 is turned off automatically, which should reduce the current consumption during the sleep and also eliminates any pseudo P.RUN signal generator circuit for preventing misdiagnostic motions of the watch dog timer 2 when the system is in sleep. Thus the current consumption can be reduced accordingly.



LEGAL STATUS

[Date of request for examination]

05.02.1998

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or

application converted registration]

[Date of final disposal for application]

[Patent number]

3264680

[Date of registration]

28.12.2001

[Number of appeal against examiner's decision
of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office